KYOTO UNIVERSITY

4472

PUBLICATIONS OF THE SETO MARINE BIOLOGICAL LABORATORY

Volume XVIII

LIBRARY
NATIONAL MARINE FISHERIES SERVICE
HONOLULU LABORATORY
P. O. BOX 3830
HONOLULU, HAWAII 96812

PUBLISHED BY THE LABORATORY
SIRAHAMA, WAKAYAMA-KEN, JAPAN
1970–1971

CONTENTS

No. 1 (September 16, 1970)

1. **WERNER, B.:** Contribution to the evolution in the genus *Stephanoscyphus* (Scyphozoa Coronatae) and ecology and regeneration qualities of *Stephanoscyphus racemosus* KOMAI. 1
2. **NAGAO, Z.:** The metamorphosis of the Anthomedusa, *Polyorchis karafutoensis* KISHINOUYE. 21
3. **SAKAI, K.:** A small collection of thalassinids from the waters around Tsushima Islands, Japan, including a new species of *Callianassa* (Crustacea, Anomura). 37
4. **SAKAI, K.:** A new coral burrower, *Upogebia trypeta* sp. nov. (Crustacea, Thalassinidea) collected from Amami-Oshima, Japan. 49
5. **TOKIOKA, T.:** Contributions to Japanese ascidian fauna. XXV. Notes on the variation in *Botrylloides violaceus* OKA, with the description of a new subspecies *tenuicoecus*. 57
6. **NISHIMURA, S.:** Recent records of Baird's beaked whale in the Japan Sea. 61

No. 2 (October 20, 1970)

7. **ILLG, P.L.:** Occurrence in Sagami Bay, Japan, of *Scolecodes*, a remarkable copepod parasite of ascidians. 69
8. **TOKIOKA, T.:** Ascidians from Mindoro Island, the Philippines. 75
9. **TANAKA. O. and M. OMORI:** Additional report on calanoid copepods from the Izu Region. Part 3-A. *Euaetideus*, *Aetideopsis*, *Chiridius*, *Gaidius*, and *Gaetanus*. 109

No. 3 (November 25, 1970)

10. **TANAKA, O, and M. OMORI:** Additional report on calanoid copepods from the Izu Region. Part 3-B. *Chirundina*, *Undeuchaeta*, *Pseudeuchaeta*, *Valdiviella*, and *Chiridiella*. 143
11. **UTINOMI, H.:** New and rare commensal pedunculate cirripeds from Amakusa Islands, western Kyusyu, Japan. 157
12. **ILLG, P.L.:** Report on ascidicole Copepoda collected during the Melanesia Expedition of the Osaka Museum of Natural History, Osaka, Japan. 169
13. **IWATA, F.:** Studies on the development of the crab, *Pugettia quadridens* (DE HAAN). I. Hatching and zoeae. 189
14. **BABA, K. and I. HAMATANI:** Occurrences of specimens presumably identifiable with *Stiliger ornatus* EHRENBERG, 1831 at Seto, Kii, Middle Japan (Opisthobranchia: Sacoglossa). 199

15. **NAKAYAMA, Y.:** Successive changes of the vertical distribution of *Aidanosagitta delicata* (TOKIOKA) at a fixed station in a cove of Tanabe Bay. 207

No. 4 (December 15, 1970)

16. **BABA, K. and I. HAMATANI:** The anatomy of *Ercolania boodleae* (BABA, 1938) from Seto, Kii, Middle Japan (Opisthobranchia: Sacoglossa). 215
17. **HUMES, A.G.:** *Paramacrochiron japonicum* n. sp., a cyclopoid copepod associated with a medusa in Japan. 223
18. **SENAWONG, C.:** Biological studies of a littoral mussel, *Hormomya mutabilis* (GOULD). I. Preliminary observations on the moving ability. 233
19. **YOSHIDA, K.:** Studies on germling development and life-history in Ulvaceae and Monostromaceae. Part II. 243
20. **TOKIOKA, T.:** Droplets from the plankton net. XXV. Record of a *Rostraria* from Seto. 257

No. 5 (January 30, 1971)

21. **YOSII, R.:** Halophilous Collembola of Japan. 279
22. **SAWADA, K.:** Aleocharinae (Staphylinidae, Coleoptera) from the campus of the Seto Marine Biological Laboratory. 291
23. **UTINOMI, H.:** Records of Pycnogonida from shallow waters of Japan. 317
24. **MORINO, H.:** Record of *Typhlotanais*, a tube-building paratanaid crustacean from Seto. 349

No. 6 (March 31, 1971)

25. **HARADA, E.:** A new amphipod of the genus *Siphonoecetes* from the shallow bottom of Southern Japan, with reference to the diagnoses of the genus and its species. 355
26. **KOBAYASHI, N.:** Fertilized sea urchin eggs as an indicatory material for marine pollution bioassay, preliminary experiments. 379
27. **SENAWONG, C. and T. TOKIOKA:** Notes on *Herdmania momus* (SAVIGNY) from the Gulf of Thailand. 407

Oceanographic data at the S.M.B.L., 1970. 413

Composition of a fixed sea urchin colony on Hatakejima Island, 1970. 420

Bioassay data for marine pollution using sea urchin eggs, 1970. 421

Record of works done at the Seto Marine Biological Laboratory (published in 1967). 425